

Attorney's Docket No.: 003364P021
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

Ho-Jin Kweon, et al.

Application No.: 09/429,262

Filed: October 29, 1999

For: **POSITIVE ACTIVE MATERIAL FOR
RECHARGEABLE LITHIUM
BATTERY AND METHOD OF
PREPARING SAME**

Examiner: Dove, T.

Art Unit: 1745

37 C.F.R. § 1.132

DECLARATION PURSUANT TO 37 C.F.R. §1.132

Geun-Bae Kim, declare as follows:

1. I am an inventor of the invention referenced above and detailed in the Application.
2. I am an Engineer for Samsung Display Devices Co., Ltd., 575, Sin-Dong, Paldal-Ku, Suwon-Si, Kyungki-Do, Korea, Samsung Display Devices Co., Ltd., has an interest in the present application.
3. I hold a Ph.D.(1990) in Chemistry from the Seoul National University and a B.S. (1986) in Chemistry from the Seoul National University. I am generally familiar with lithium secondary batteries.
4. I filed Application Serial No. 09/429,262 on October 29, 1999 in the United States, claiming priority from a previously filed Korean Application.
5. In response to the Office Action mailed July 25, 2003, I am filing herewith a Response to Office Action which adds new claims 9-12 to a positive electrode for


material particles, where each of the particles is coated with a metallic oxide, and the positive electrode is formed from the coated particles.

6. In the Office Action mailed on July 25, 2002, the Examiner rejected a number of the claims of the above-referenced Application as being anticipated by U.S. Patent No. 5,869,208 issued to Miyasaka. In contrast to my invention, Miyasaka coats a protective layer on the outside of the positive electrode after the positive electrode has been formed.

7. I have conducted experiments to compare the performance characteristics of my invention compared to the structure taught in Miyasaka. The coating procedure of my invention gives surprisingly better cycle life characteristics compared with the coating procedure taught in Miyasaka. I have attached a graph hereto showing the discharge capacity of my invention compared to the discharge capacity of Miyasaka, which shows the superior performance of my invention. The graph is attached as Exhibit A.

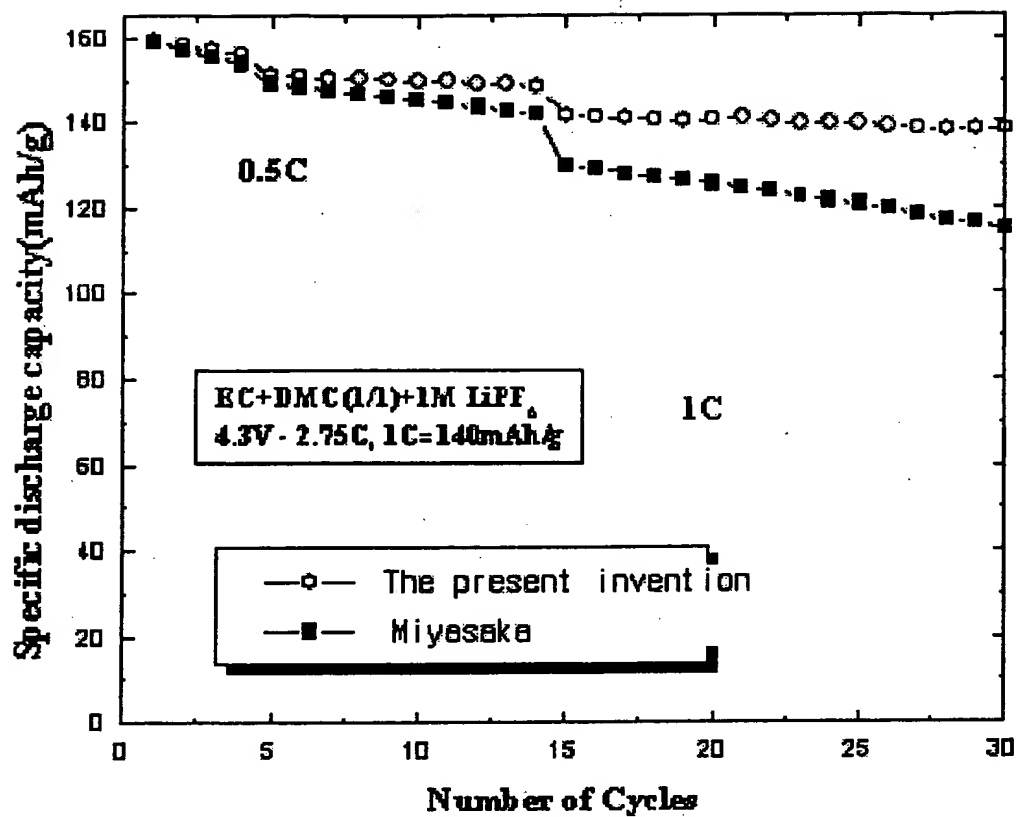
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: October 21, 2002



Geun-Bae Kim
Inventor
San 24, Seongseong-dong, Cheonan-si,
Chungcheongnam-do, Korea

Exhibit A





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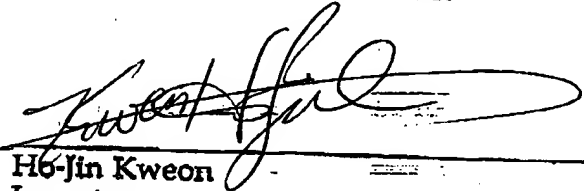
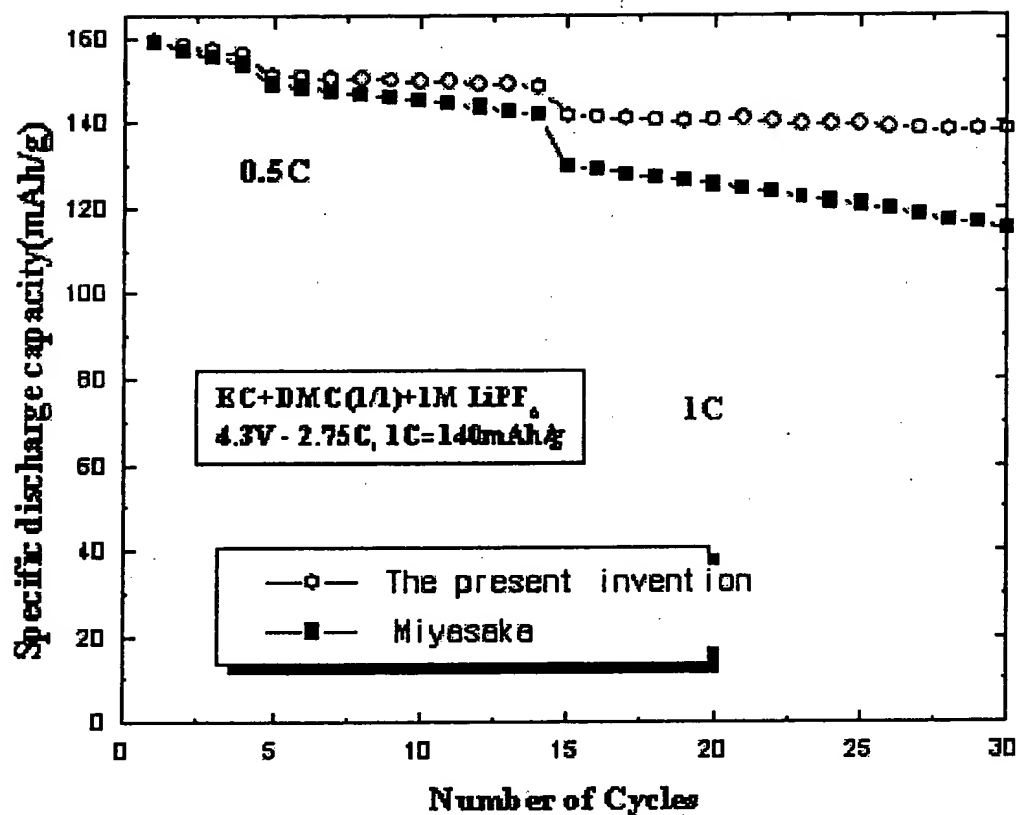

H6-Jin Kweon
Inventor
San 24, Seongseong-dong, Cheonan-si,
Chungcheongnam-do, Korea

Exhibit A





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Hyung-Gon Noh, declare as follows:

1. I am an inventor of the invention referenced above and detailed in the Application.
2. I am an Engineer for Samsung Display Devices Co., Ltd., 575, Sin-Dong, Paldal-Ku, Suwon-Si, Kyungki-Do, Korea, Samsung Display Devices Co., Ltd. has an interest in the present application.
3. I hold a Ph.D.(1990) in Chemistry from the University of KAIST and a B.S. (1986) in Chemistry from the University KAIST. I am generally familiar with lithium secondary batteries.
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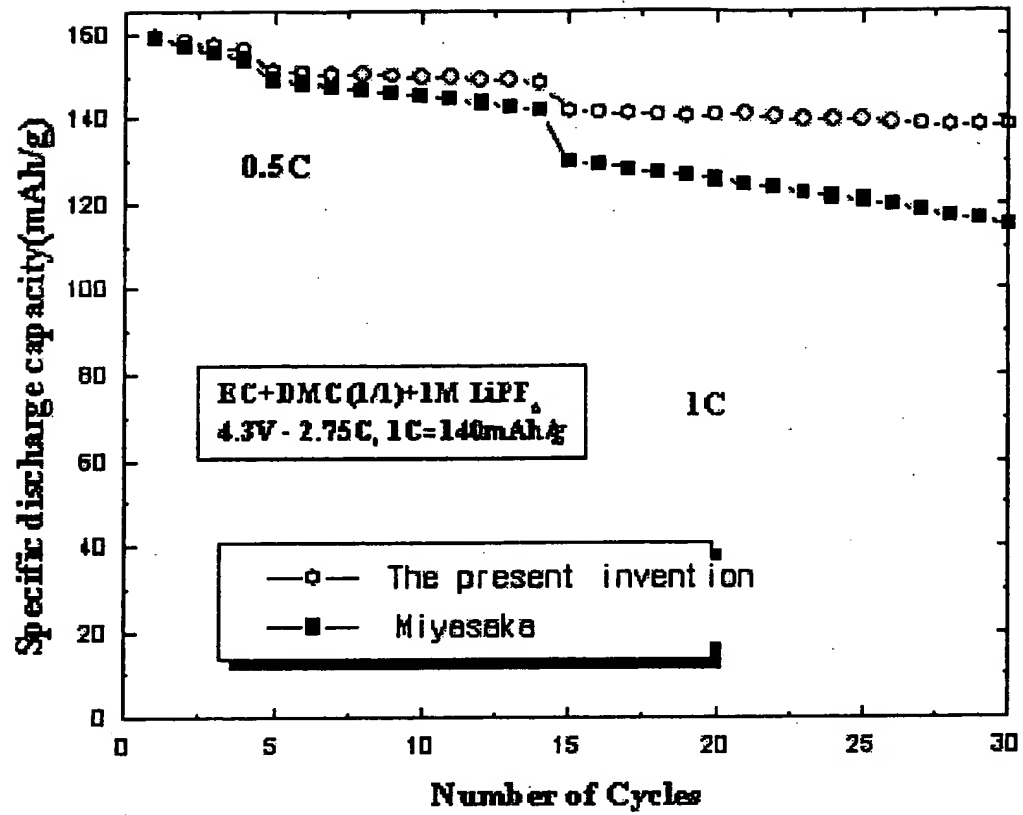
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Date: 2002/10/21

Noh Hyung Gon
Hyung-Gon Noh
San 24, Seongseong-dong, Cheonan-si,
Chungcheongnam-do, Korea

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Dong-Gon Park, declare as follows:

1. I am an inventor of the invention referenced above and detailed in the Application.
2. I am a Professor for Sookmyung women's University, 53-12, Chyungpa-dong, 2ga, Yongsan-Ku, Seoul, Korea, Sookmyung women's University has an interest in the present application.
3. I hold a Ph.D.(1993) in Chemistry from the Cornell University and a B.S. (1982) in Chemistry from the Korea University. I am generally familiar with lithium secondary batteries.
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Date:

10/22/2002


Dong-Gon Park

Inventor

Sookmyung Women's University
Cheongpa-dong 2-ga, Yongsan-ku,
Seoul, Korea



Exhibit A

